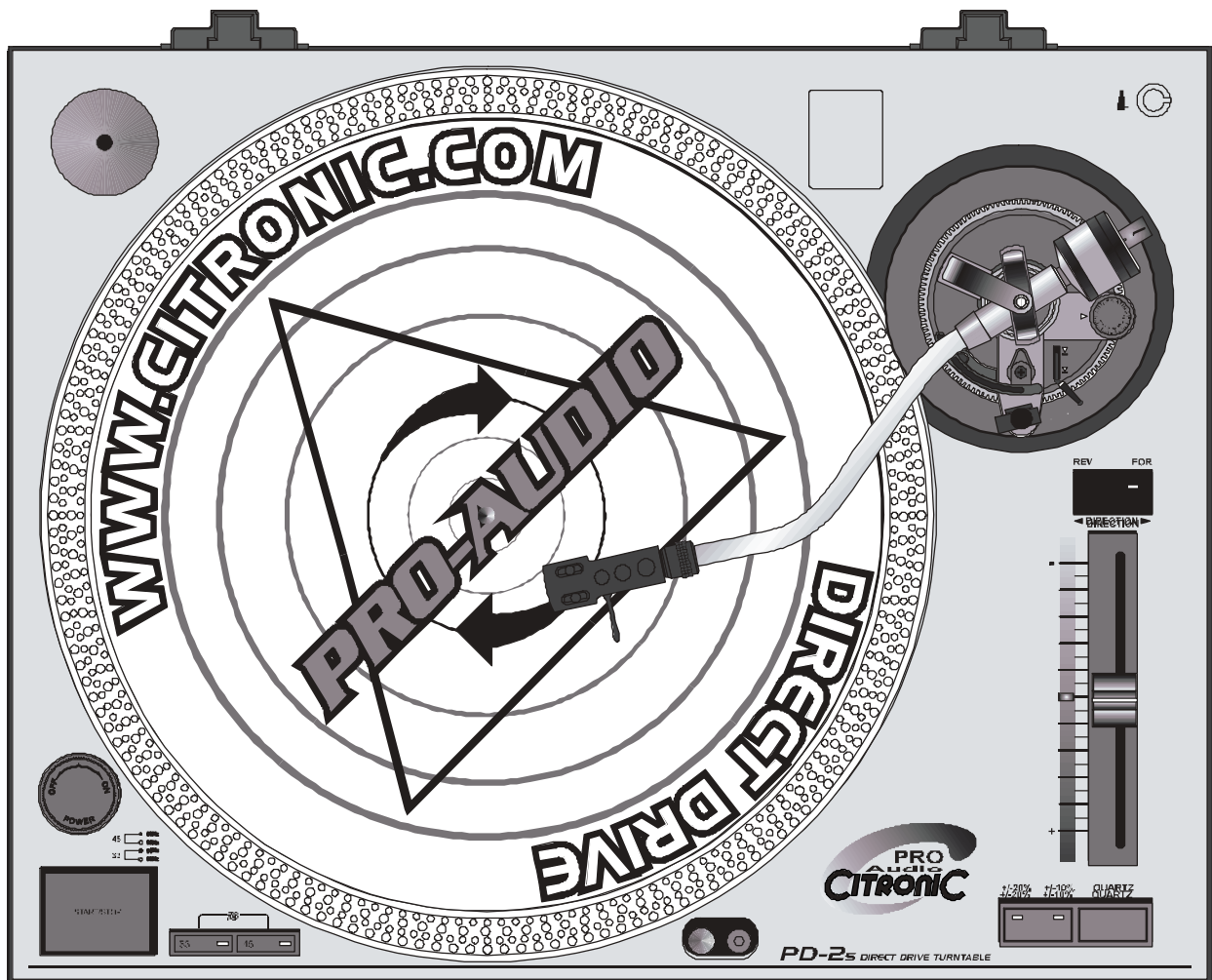

CITRONIC PD-2

Pro-Drive Direct Drive Turntable

This manual covers both the PD-2 & PD-2s Turntables



OWNERS MANUAL

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About Citronic

Thank you for choosing Citronic and the PD-2/PD-2s Professional Direct Drive Turntable. You have joined a discerning group of DJ's and operators who value design integrity, quality and state of the art facilities. Established in Melksham, Wiltshire in 1972, Citronic occupies prestigious purpose built factory headquarters. The award winning product range covers professional audio mixers, amplifiers and signal processing.

Each unit is manufactured to the highest possible standards and all have an enviable reputation for reliability and value for money – the noted hallmark of Citronic products.

Substantial investment has been made in high technology CAD systems, manufacturing control and testing techniques. This sophisticated computerisation coupled with an extensive research and development program, enables the company to offer an exceptional degree of manufacturing excellence and quality assurance.

Citronic has always listened carefully to the customer and places tremendous emphasis on market research. This ensures that the exacting requirements of the DJ are complimented without compromise, throughout the entire product range. This unique approach, coupled with a strong input from a highly qualified engineering team, ensures that Citronic maintains its position as a respected leader, in the industry's development.

Citronic has a distribution network throughout Europe, Asia and the Americas.
Enjoy your new purchase.

Important Safety Information

Safety Warnings:

All the safety and operating instructions should be read before the appliance is operated.

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

To reduce the risk of electric shock, do not remove the cover (or back). There are no serviceable parts inside. Always refer servicing to qualified service personnel.

Cautionary Notes:

Care must be taken not to damage the power supply cord housing, which could expose line parts and cause electric shock. When removing from wall outlet, be sure to remove by holding the plug and not by pulling the cord.

In order to prevent electric shock; do not open the top cover. If a problem occurs, contact your dealer.

Do not place metal objects or spill liquid inside the mixer. Electric shock or malfunction may result.

Any use of the controls, or any adjustment, or the performance of any procedure other than those specified herein may result in serious damage to your health.

The unit should not be opened or repaired by anyone except properly qualified service personnel.

Double insulated - when servicing, use only identical replacement parts.

Your Serial Number

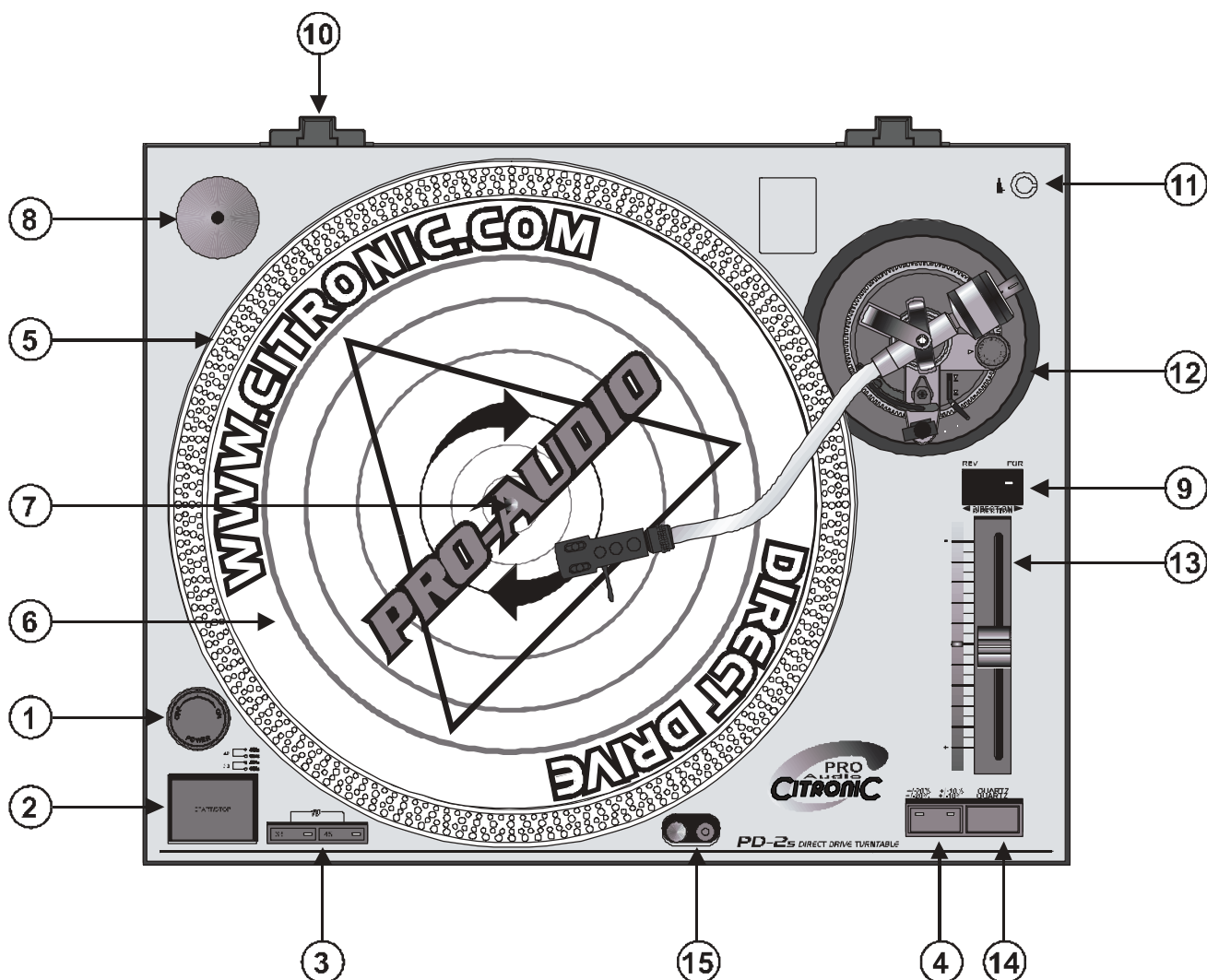
Please, record and retain serial number of your PD-2/PD-2s Professional Direct Drive Turntable shown on the rating label.

My Serial Number Is:

WARNING

In order to obtain the best service from the unit we **STRONGLY** recommend that you read this manual before you apply any power

Illustration & Main Features



- 1) Power switch/strobe: On - Rotate Right Off - Rotate Left
- 2) Start/Stop button - Pressing once engages high torque motor; Pressing again engages brake.
- 3) Speed select buttons: 33 rpm - press 33 45 rpm press - 45 78 rpm - press 33 and 45
- 4) Pitch select button: switch between 10% and 20%
- 5) Strobe dots
- 6) Platter
- 7) Center spindle
- 8) 45-rpm adapter - Place on the center spindle for playing 7" records with large holes
- 9) Direction select button: Determines which direction the platter will spin - forward or reverse
- 10) Hinge for dust cover
- 11) Position for preparing cartridge
- 12) Tone arm
- 13) Pitch adjust slider: Use this to change the speed when the Quartz lock is inactive
- 14) Quartz lock selector: On will hold the revolution at 0% Off - will allow use of pitch slider
- 15) Target light: Press the button to the right and the light will pop up directed at the stylus position

Check List

*Check that the following parts are included in the package with the main unit:

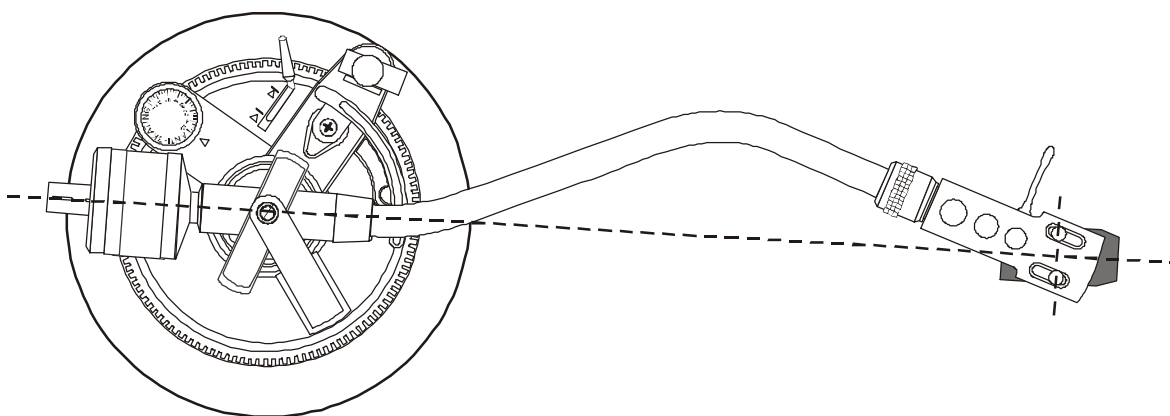
- | | |
|-----------------------------|---------------------------|
| 1) AC power cord | 5) Dust cover |
| 2) Turntable platter | 6) 45-rpm adapter |
| 3) Cartridge with Headshell | 7) Counterweight |
| 4) Slip mat | 8) Operating instructions |

Assembly Instructions

1. Remove the main unit with the packing from the box and take off the packing.
2. Insert the 45-rpm adaptor in the slot on the turntable.
3. Ensure the voltage selector switch is set to the correct position either 115V or 230V.
4. Place the turntable platter onto the center spindle.
5. Place the slip mat on the platter.
6. Insert the headshell cartridge assembly into the front end of the tonearm, then turn the lock nut clockwise with the headshell firmly held horizontally.
7. Slide counterweight onto tonearm.
Twist it lightly and it will screw onto the rear shaft of the tonearm.
8. Adjustment of horizontal zero (0) balance and stylus pressure follow instructions below:
 - (a) Set anti-skate to zero (0)
 - (b) Remove the stylus protector, do not touch the stylus tip during the adjustment.
 - (c) Set the cueing lever to the lower position.
 - (d) Release the arm clamp and lift the tonearm from the arm rest to free it.
 - (e) While holding the Headshell lever rotate the counterweight until the tonearm is approximately balanced horizontally (floats freely).
 - (f) Refasten the tonearm with the arm clamp.
 - (g) Hold the counterweight stationary with one hand and rotate only the stylus-pressure ring to bring the number "0" of the ring into alignment with the center line on the tonearm rear shaft.
 - (h) Rotate the counterweight clockwise until the scale shows the value corresponding to the required pressure of the stylus. Typically 4 grams.
9. Set the anti-skating control knob to the same value as the stylus pressure.
10. Install the dust cover to the main unit.

Scratch Mixer Tip

If you are using the deck for scratching the cartridge can be adjusted to give better traction as follows:
Align the cartridge in a direct line to the back of the tone arm.



NOTE this is not advisable to use during normal play.

Placement

- Do not place the unit in a location where it will be exposed to direct sunlight or near a heating appliance.
- Do not place the unit in a location where there is high humidity or a lot of dust.
- Cartridge may pick up sound pressures or vibrations from the speakers coming along the floor or through the air resulting in howling. Find a location, which is very stable and vibration free.
- The legs have functions for adjusting the height of the unit itself. Adjust the legs to stabilize the main body horizontally.

Connections

1. Locate the power cord provided and plug the 2-pin figure of 8 connector into the socket located on the back of the unit.
2. The unit can now be plugged into the household AC outlet.
3. Connect the unit output terminals to the PHONO jack of your mixer.

Output terminals		Mixer
L White)	>>	L Channel
R (Red)	>>	R Channel
GND (Spade)	>>	GND (Spade)

NOTE:

Be sure to connect the separate ground terminal firmly to the mixer input connector panel.
If this connection is not made or is loose, an earth loop "HUM" will result

Operation

The following instructions assume that the counter balance weight has been set.

1. Rotate the power switch to turn on the power, the speed indicator and the strobe-illuminator will light up.
2. Place a record on the slip mat, when playing a 45rpm record with a large center hole, place the 45-rpm adaptor on the center spindle.
3. Set the speed to match the record.
4. Remove the stylus protector, release the arm clamp.
5. Set the cueing lever to the up position.
6. Press the Start/Stop button, the turntable platter will start to rotate.
7. Move the tonearm over the desired groove.
8. Set the cueing lever to the down position, the tonearm will descend slowly onto the record and play begins.
9. When play is finished, raise the cueing lever, move the tonearm to the arm rest, secure the tonearm with the arm clamp.
10. Press the Start/Stop button to stop the platter rotating, push the power button to turn off the power.

Suspend play

Set the cueing lever to "UP" position during play, the stylus tip of the cartridge will be lifted from the record.

Target light

This unit is provided with a target light for illuminating the stylus tip during play.

Push the target light button, the target light will be raised into position for illuminating the stylus tip.

Changing The Speed

The pitch adjustment slider (13) can be used to increase or decrease the turntable speed by +/-10% or +/-20%, the range is selectable by the pitch select button (4).

The Quartz lock selector button (14) disables the pitch adjustment slider (13) for accurate 0% speed control.

The speed select buttons (3) offer the choice of 33,45 or by pressing

Remote Start

The remote start jack socket is located at the rear of the deck. When a jack plug is inserted and connected to a compatible mixer e.g. Station 9, CDM8:4. The deck will be able to be started automatically from the mixer remote start control.

Cartridge Replacement

To replace the cartridge in the headshell, follow the instructions below:

When installing a cartridge, refer to the operating instructions of that cartridge.

During installation, attach the stylus protector to guard the stylus tip from damage.

To aid assembly use the slot provided at the rear of the turntable (feature 11)

- a) Using a pair of fine electronic pliers, carefully remove each of the four wires in turn from the back of the cartridge.
- b) Unscrew the two cartridge mounting screws and withdraw the old cartridge.
- c) Install the new cartridge and tighten with the screws provided so that they are central in the headshell slot.
- d) Connect the lead wires to the cartridge terminals. The terminals of most cartridges are color coded.

Connect each lead wire to the terminal of the same color.

White (L+)	Left channel+
Blue (L-)	Left channel-
Red (R+)	Right channel+
Green (R-)	Right channel-

Maintenance & Specification

- Clean the stylus periodically with a soft brush to prevent the accumulation of dust.
- When the sound becomes distorted or noisy, check the stylus. If worn out, replace it with a new one.
- From time to time, the dust cover and turntable cabinet should be wiped with a soft, dry cloth.

Motor	12 pole 3 phase brushless DC
Drive	Direct drive
Pitch	+/- 10%, +/- 20% selectable
Starting Torque	More than 1.6kgf.cm
Braking system	Electronic brake
Braking Time	Less than 1 sec.
Starting Time	Less than 1 sec.
Braking Time	Less than 1 sec.
Tracking force adjustment range	0 – 4g
Effective arm length	234mm
*General	
Power supply	AC 115 - 230V, 50/60Hz
Power consumption	15 Watts
Dimension(WxDxH)	450 x 352 x 148.5 mm
Weight	12.45 Kgs
Output as per cartridge fitted	1.5 – 3.5Mv

CE Markings

EMC Conformity

The PD-2/PD-2s Direct Drive Turntable, have been tested to demonstrate compliance with the EMC 89/336/EEC directive, under which the following harmonised standards apply:

- | | |
|-------------|-------------------------------|
| i) EN55020 | Electromagnetic Immunity |
| iv) EN55013 | Electromagnetic Compatibility |

Electrical Equipment Safety Regulations (1994)

The PD-2/PD-2s Direct Drive Turntable, have been designed and tested to demonstrate compliance the LVD 73/23/Eec directive, using the following standard.

- i) EN60065 Safety requirements for mains operated electronic equipment for household and similar general use.

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